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**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application of: MUELLER *et al.*

Group Art Unit: 3739

Serial No.: 09/816,832

Examiner: D. Shay

Filed: March 22, 2001

Attorney Docket No.: 10177-141-999

For: PHOTOATHERLYTIC CATHETER  
APPARATUS AND METHOD

(formerly 5756-0012.30)

11/2  
3-28

**AMENDMENT UNDER 37 C.F.R § 1.111**

**RECEIVED**

**MAR 25 2003**

Assistant Commissioner for Patents

Washington, D.C. 20231

TECHNOLOGY CENTER R3700

Sir:

This Amendment is submitted in response to the Office Action dated October 28, 2002. Submitted concurrently herewith are (1) Exhibit A, which sets forth a marked-up version of the paragraphs of the specification which have been amended, (2) Exhibit B, which sets forth a marked-up version of the amended claims, (3) Exhibit C, which sets forth a full set of the pending claims after entry of this amendment, and (4) a Petition For Extension of Time for two months from January 28, 2003 to and including March 20, 2003. Applicants respectfully request that the Examiner consider the following amendment and remarks.

**IN THE SPECIFICATION**

A marked-up version of the specification showing the amendments to the specification is attached hereto as Exhibit A. Matter that has been deleted from the specification is indicated by brackets and matter that has been added to the specification is indicated by underlining. No new matter has been added by these amendments.

Please amend page 2, third paragraph, of the specification to read as follows:

After thus positioning the catheter's distal-end sleeve within the target region, the guidewire is removed, and replaced with a fiber-optic bundle having a light-diffusing tip, until the tip is positioned adjacent the catheter juncture. After injecting a light-transmissive fluid, such as a transparent or translucent aqueous solution, through the catheter into the catheter's distal-end sleeve, the target region is irradiated by passing a laser light beam through the fiber optic bundle. The beam is distributed along the catheter's distal-end sleeve, for transmission through the sleeve, by light scattering produced by (i) the light-diffusing tip, (ii) the light-transmissive fluid in the catheter's distal-end sleeve, and/or (iii) the distal sleeve

B1